

LAND GRID ARRAY CONNECTOR ASSEMBLY WITH COMPACT CAM DRIVER

Abstract

An electrical connector assembly (1) for electrically connecting an electronic package with a circuit substrate. The connector assembly includes a socket and a fastening device surrounding the socket. The fastening device includes a frame (2), a metal clip (3) pivotably mounted to a first end of the frame, and a cam actuator (4) pivotably mounted to a second end of the frame. The clip includes a changeable post (3211) at a free end (32) thereof. The cam actuator includes a cam (41) defining a spiral groove (413) receiving the post and a driver (42) assembled to the cam. When the cam is driven, it drives the post downwardly, and simultaneously the clip moves slightly toward the second end of the frame. In addition, because the post can be changed, user can avoid increased complexity and cost in repairing the LGA connector assembly.